

## Figure 1

Figure 2

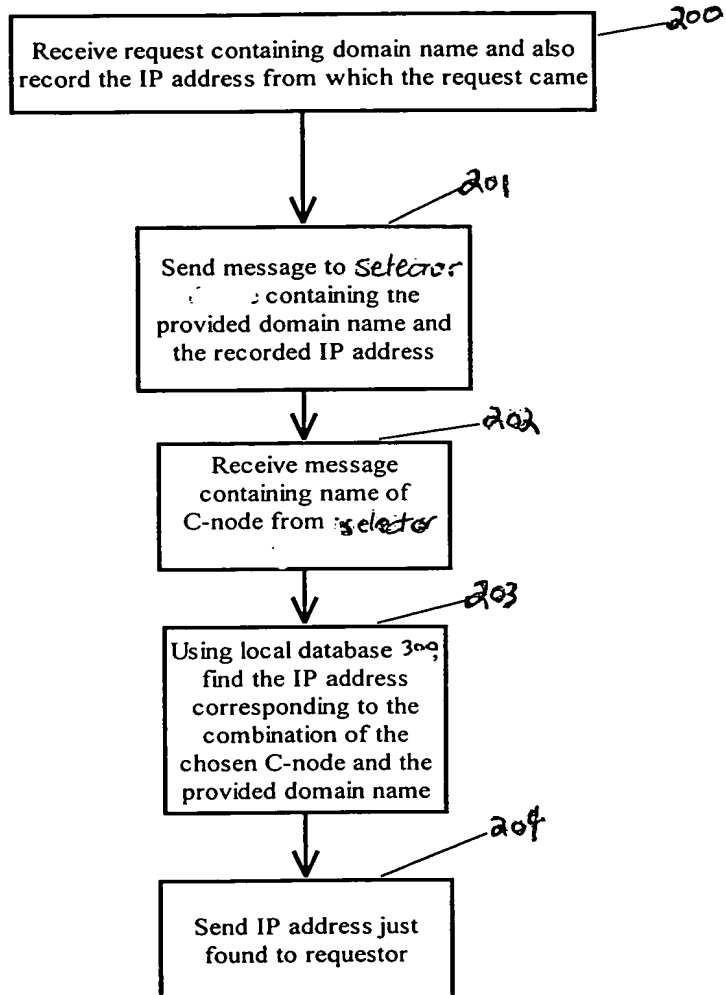


Figure 3

Server name	C-node name	IP address
www.site.com	node1	123.45.67.89
www.site.com	node2	123.45.67.90
www.othersite.com	node1	156.78.90.12

Figure 4

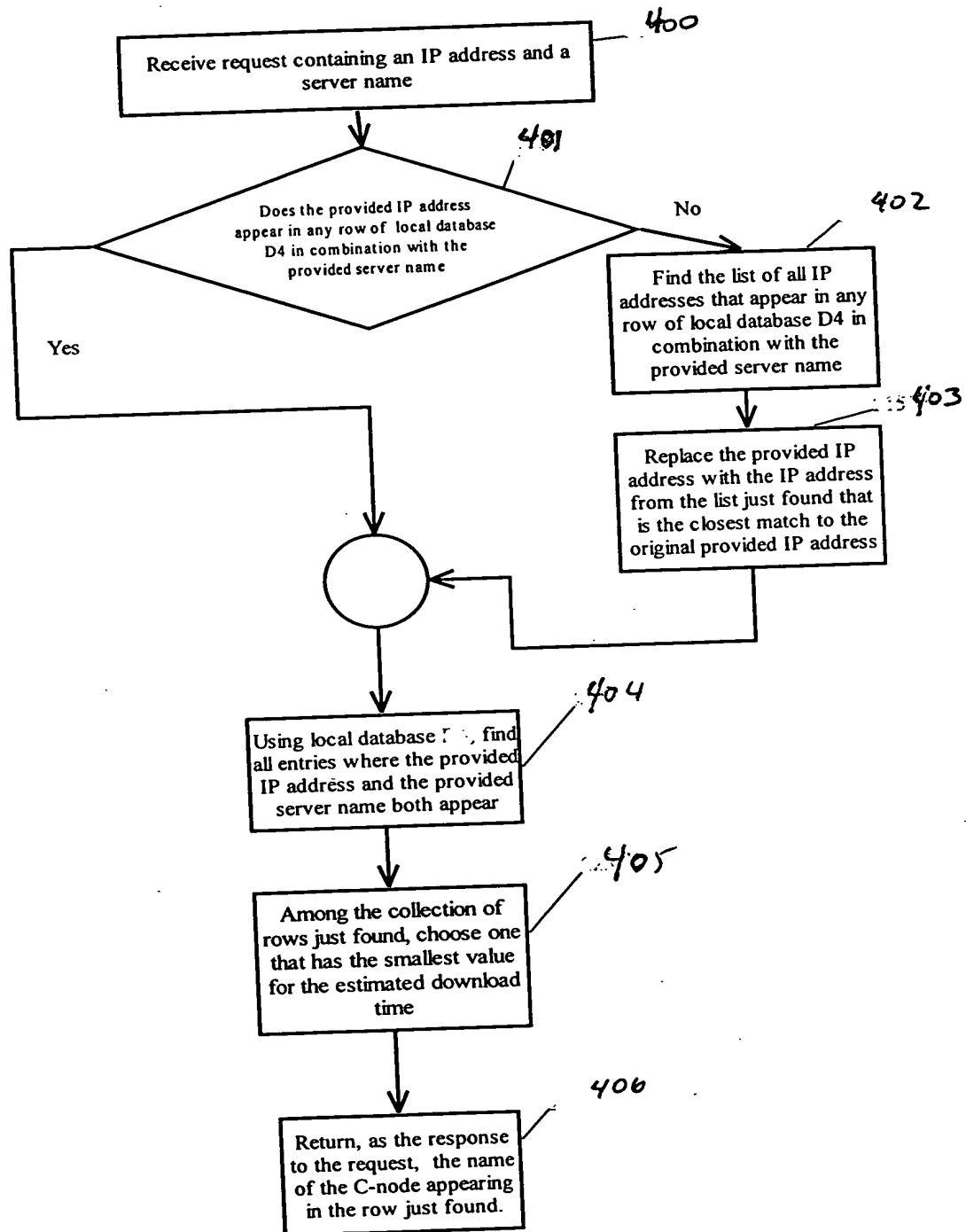


Figure 5

IP address	C-node	Server name	Estimated download time
111.11.11.11	node1	www.site.com	5.6
111.11.11.11	node2	www.site.com	6.3
111.11.11.11	node3	www.site.com	8.9
222.11.11.11	node1	www.site.com	13.4
222.11.11.11	node2	www.site.com	7.2
222.11.11.11	node3	www.site.com	7.8
111.11.11.11	node1	www.othersite.com	8.4
111.11.11.11	node2	www.othersite.com	8.6

Figure 6

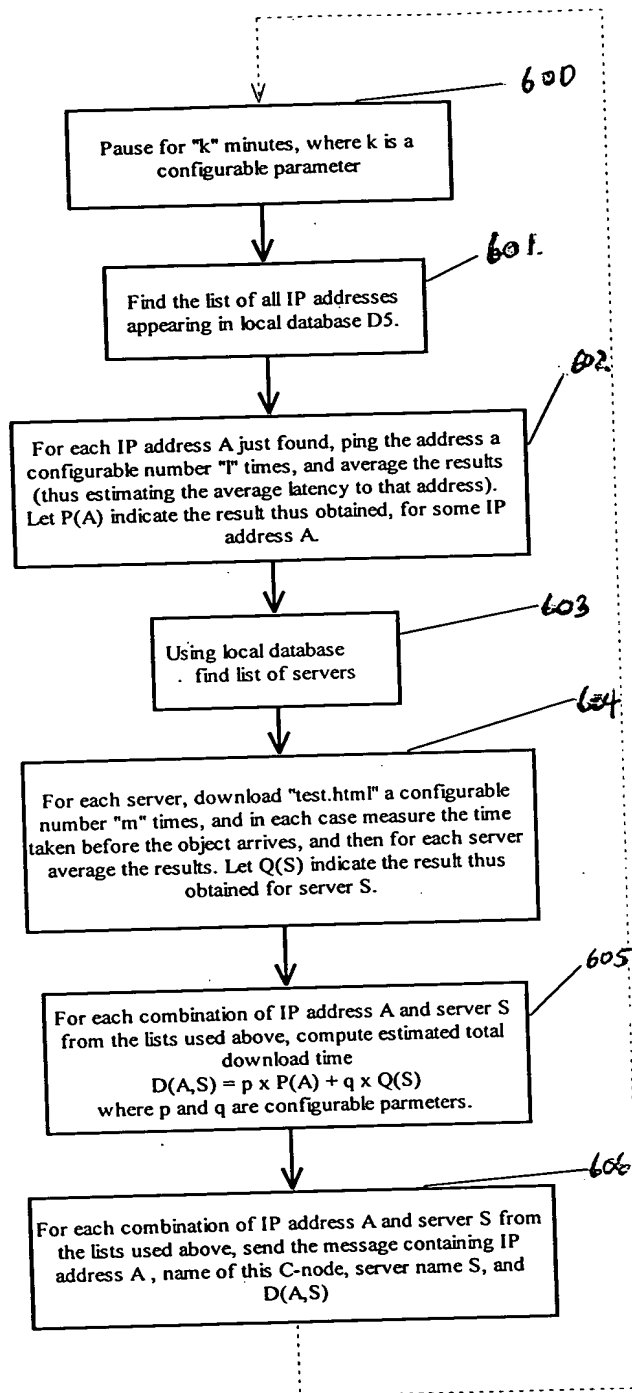


Figure 7

Server name	S-node address
www.site.com	189.12.34.56
www.thersite.com	167.89.12.34

Figure 8

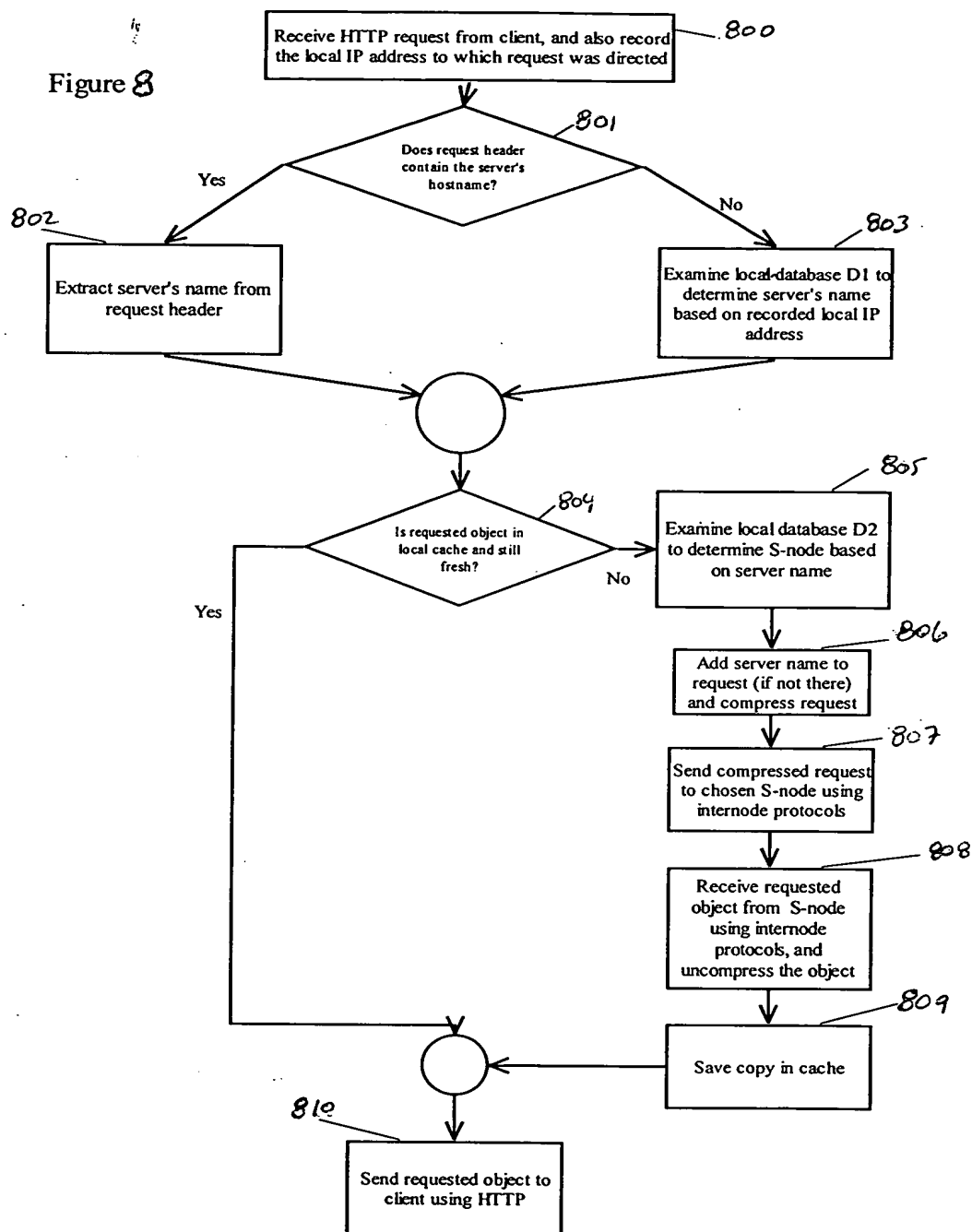


Figure 9

Local IP address	Server name
123.45.67.89	www.site.com
156.78.90.12	www.thersite.com

Receive request from C-node using internode protocol

950

Figure 10

Uncompress request

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Extract server's name from request

952

Is requested object local cache and fresh?

953

Yes

No

Send request to server using HTTP

954

Receive requested object from server using HTTP

955

Compress received object

956

Save copy in cache

957

958

Send compressed object to C-node using internode protocols

Downloaded from

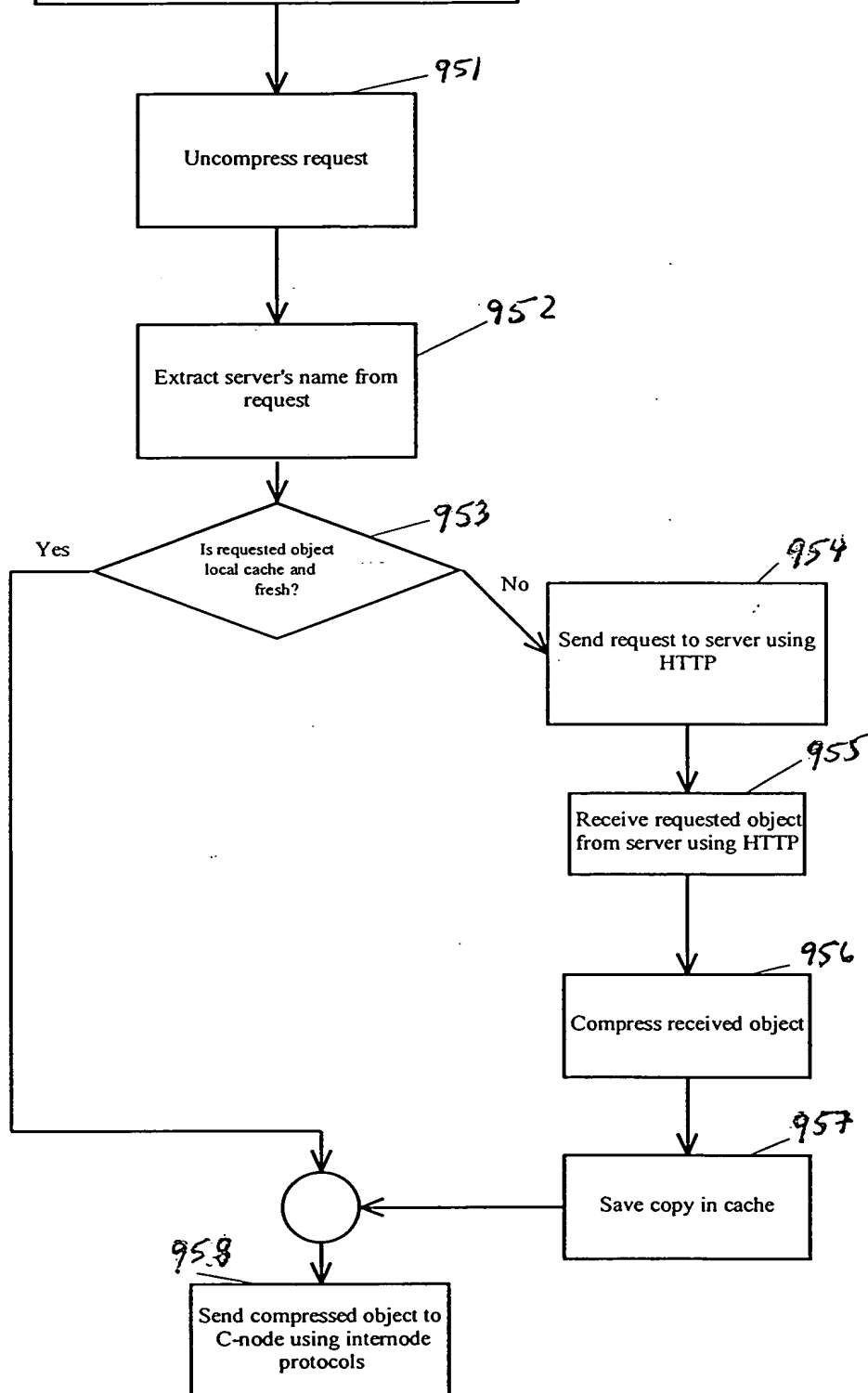


Figure 11

